

Al
current MTP level 2, wherein the node includes, in addition to a standard first point code, a second point code which enables the full use of the longer message length.

Description of the Prior Art

- 5 On page 1, line 8, cancel "nr." and substitute therefor --no--.
- On page 1, line 9, cancel "one" and substitute therefor --stack--.
- On page 1, line 11, insert a --,-- after "product".
- On page 1, lines 11-12, cancel "(message transfer part)".
- On page 1, line 17, cancel "addressing" and substitute therefor --
- 40 which address--.
- On page 1, line 17, cancel "three".
- On page 1, line 18, cancel "aspects" and substitute therefor --
- 15 problematic elements--.
- On page 1, line 19, insert a --,-- after "contains".
- On page 1, line 19, insert a --,-- after "option".
- On page 1, line 22, insert a --,-- after "Otherwise".
- On page 1, line 25, cancel "Starting" and substitute therefor --Thus,
- 20 starting--.
- On page 1, line 25, insert a --,-- after "SSCOP".
- On page 1, line 26, cancel "thus".
- On page 1, line 28, cancel "Finally" and substitute therefor --In
- addition,--.
- On page 1, line 30, cancel the "," after "links".
- On page 2, line 2, cancel "could".
- 25 On page 2, line 2, insert --could-- after "also".
- On page 2, line 4, insert a --(-- before "which".
- On page 2, line 5, insert a --)-- after "problems".
- On page 2, line 9, insert a --,-- after "course".
- On page 2, line 11, insert a --,-- after "Indeed".

On page 2, line 14, cancel "indeed".

On page 2, include the paragraph which begins on line 19 in the paragraph which ends on line 18.

On page 2, line 19, insert a --,-- after "Therefore".

On page 2, line 19, cancel "we have".

On page 2, line 19, insert --exists-- after "situation".

On page 2, line 20, insert --when-- before "possible".

On page 2, cancel line 24.

On page 2, include the paragraph which begins on line 28 in the paragraph which ends on line 27.

On page 2, include the paragraph which begins on line 30 in the paragraph which ends on line 29.

On substitute page 3, line 3, cancel "like" and substitute therefor --such as--.

On substitute page 3, line 7, cancel the "," and substitute therefor a --;--.

On substitute page 3, line 8, cancel "e.g.".

On substitute page 3, line 8, insert --, e.g.,-- after "be".

On substitute page 3, line 12, cancel the "," and substitute therefor a ---.

On substitute page 3, line 14, insert a --,-- after "GT".

On substitute page 3, include the paragraph which begins on line 17 in the paragraph which ends on line 16.

On substitute page 3, line 19, cancel "In addition" and substitute therefor --Further--.

On substitute page 3, line 27, insert a --,-- after "nodes".

On substitute page 3a, cancel line 4.

On substitute page 3a, include the paragraph which begins on line 11 in the paragraph which ends on line 9.

On substitute page 3a, line 11, cancel "arising" and substitute therefor --which arises--.

On substitute page 3a, line 11, cancel "use of".

On substitute page 3a, line 11, insert --are to be used-- after "messages".

On substitute page 3a, line 12, cancel "also".

On substitute page 3a, line 12, cancel "supporting" and substitute therefor --which support--.

On substitute page 3a, line 13, cancel "is to be made".

On substitute page 3a, line 13, insert --, however,-- after "not".

On page 4, line 2, cancel "otherwise" and substitute therefor --other--

On page 4, include the paragraph which begins on line 6 in the paragraph which ends on line 5.

On page 4, line 6, insert a --,-- after "SCCP".

On page 4, include the paragraph which begins on line 11 in the paragraph which ends on line 10.

On page 4, cancel line 14.

On page 4, line 16, insert a --,-- after "solve".

On page 4, line 16, insert a --,-- after "preyent".

On page 4, line 16, insert --above-described-- after "the".

On page 4, line 17, cancel "This works as follows:".

On page 4, before line 18, insert the following:

SUMMARY OF THE INVENTION

Accordingly, in an embodiment of the present invention, a node is provided which supports enhanced links and which has the ability to transfer longer messages than according to current MTP level 2, wherein the node includes first and second signaling point codes such that the second point code is used to identify functions and MTP users which can make full use of

the longer message length and both the first and second point codes are part of the same MTP network.

In an embodiment, the node further includes MTP routing tables which support the enhanced links, wherein the routing tables are structured so that routing between nodes with the second point code use only the enhanced links.

In an embodiment, the node further includes SCCP translation functions which support the enhanced links, the SCCP translation functions being engineered such that primary translation is to logical destinations reachable via the enhanced links and backup translation is to logical destinations reachable via links based on MTP level 2 if translation results in a physical destination located in a node supporting the enhanced links.

In a further embodiment of the present invention, the first and second point codes are part of different MTP networks.

Additional features and advantages of the present invention are described in, and will be apparent from, the Detailed Description of the Preferred Embodiments and the Drawing.

DESCRIPTION OF THE DRAWINGS

Figure 1 shows the various protocol stacks for SS7 up to the MTP level;

Figure 2 shows an example of a network in accordance with the present invention which includes first and second point codes;

Figure 3 shows a logical network for short messages in accordance with the present invention; and

Figure 4 shows a logical network supporting long messages in accordance with the present invention.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

On page 4, line 18, cancel "Each" and substitute therefor -)In accordance with the present invention, each-

On page 4, line 22, cancel the "," after "functions" and substitute therefor a --;--.

On page 4, line 22, insert a --,-- after "i.e.".

On page 4, line 24, cancel "figure" and substitute therefor --Figure--.

On page 4, line 27, cancel "tables" and substitute therefor --Tables--.

On page 4, line 27, cancel "to" and substitute therefor --through--.

On page 4, line 27, insert a --,-- after "3".

On page 4, line 27, cancel "an".

On page 4, line 29, cancel "table" and substitute therefor --Table--.

On page 4, line 29, insert a --,-- after "5".

On page 4, line 29, cancel "an".

On page 4, line 31, insert a --,-- after "i.e.".

On page 5, line 1, insert a --,-- after "Thus".

On page 5, line 2, insert a --,-- after the ")".

On page 5, line 3, insert a --,-- after "linksets".

On page 5, line 4, cancel "figure" and substitute therefor --Figure--.

On page 5, include the paragraph which begins on line 5 in the paragraph which ends on line 4.

On page 5, include the paragraph which begins on line 12 in the paragraph which ends on line 11.

On page 5, line 18, cancel "table" and substitute therefor --Table--.

On page 5, line 19, insert a --,-- after "connected".

On page 5, line 21, insert a --,-- after "fail".

On page 5, line 25, cancel "can".

On page 5, line 25, insert --can-- after "also".

On page 5, include the paragraph which begins on line 27 in the paragraph which ends on line 26.

On page 5, line 27, insert a --,-- after "similarly".

On page 5, line 27, cancel "is".